

Abstract

An object of the present invention is to provide a light emitting device which is high in emission intensity and stable, that is to say, a light emitting device in which when an LED or LD having an emission peak at 380 nm to 410 nm is used as an excitation light source of the light emitting device, the emission intensity of a red phosphor does not largely change to some deviation of the emission wavelength of the LED or LD to maintain not only brightness but also a balance at the time when mixed with a blue and green phosphors.

The present invention relates to a light emitting device characterized in that the device comprises a phosphor which has Eu³⁺ as a luminescent center ion, in which a minimum emission intensity within the excitation wavelength range of 380 nm to 410 nm in an excitation spectrum is 65% or more of a maximum emission intensity, and which has an emission efficiency at 400 nm of 20% or more, and a semiconductor light emitting element which emits light in the region from near-ultraviolet light to visible light.